

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P567114

Luminaire Tested: **4SNX-SL3-LW-UNV-CC93-CD-4000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-SL3-LW-UNV-CC93-CD-4000K-MED
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, MED LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

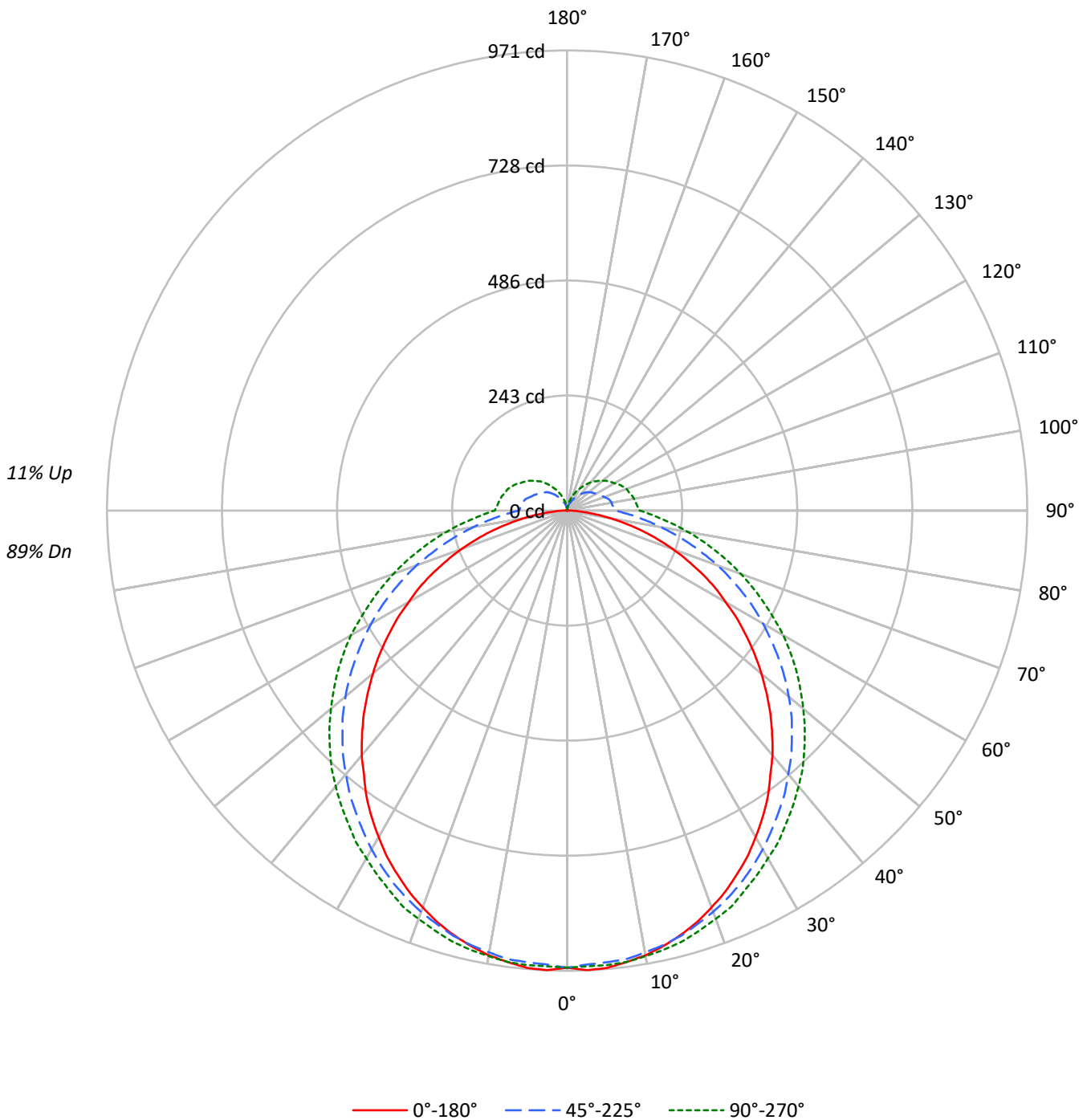
Lumens per Lamp: N/A
Luminaire Lumens: 3434.0 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 32.274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10383	10383	10383
5°	10428	9903	9828
10°	10337	9508	9337
15°	10214	9125	8895
20°	10054	8729	8452
25°	9871	8349	8019
30°	9656	7958	7604
35°	9421	7566	7216
40°	9153	7183	6846
45°	8865	6798	6466
50°	8535	6403	6069
55°	8172	5963	5679
60°	7746	5502	5266
65°	7302	5006	4795
70°	6684	4478	4332
75°	5870	3863	3842
80°	4588	3242	3353
85°	2995	2667	2850



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	2.7
10°-20°	263.4	7.7
20°-30°	400.4	11.7
30°-40°	486.1	14.2
40°-50°	513.7	15.0
50°-60°	480.6	14.0
60°-70°	394.4	11.5
70°-80°	271.2	7.9
80°-90°	148.5	4.3
90°-100°	95.7	2.8
100°-110°	85.8	2.5
110°-120°	71.0	2.1
120°-130°	54.7	1.6
130°-140°	38.4	1.1
140°-150°	23.2	0.7
150°-160°	11.1	0.3
160°-170°	3.6	0.1
170°-180°	0.4	0.0
0°-30°	755.4	22.0
0°-40°	1241.5	36.2
0°-60°	2235.8	65.1
0°-90°	3049.9	88.8
90°-120°	252.6	7.4
90°-150°	368.9	10.7
90°-180°	384.0	11.2
0°-180°	3434.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	965	965	965	965	965	
5°	969	967	957	965	963	92
15°	927	931	929	941	941	261
25°	847	857	867	885	885	390
35°	738	756	778	800	806	461
45°	607	634	670	700	708	468
55°	461	499	545	579	591	413
65°	312	354	408	446	457	309
75°	163	207	266	308	322	172
85°	36	86	145	185	199	41
90°	0	48	101	139	153	2
95°	0	46	98	133	147	0
105°	0	38	92	125	137	1
115°	2	34	78	111	125	2
125°	2	28	66	96	107	2
135°	2	22	54	78	88	2
145°	2	16	38	60	66	1
155°	2	10	24	38	44	1
165°	2	6	12	18	22	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	964.6	964.6	964.6	964.6	964.6
2.5°	970.6	968.6	958.7	966.6	962.6
5°	968.6	966.6	956.7	964.6	962.6
7.5°	960.6	960.6	954.7	962.6	960.6
10°	952.7	952.7	946.7	956.7	954.7
12.5°	940.8	942.7	938.8	950.7	948.7
15°	926.8	930.8	928.8	940.8	940.8
17.5°	910.9	914.9	914.9	928.8	928.8
20°	891.0	897.0	901.0	916.9	916.9
22.5°	871.1	879.1	885.1	899.0	905.0
25°	847.3	857.2	867.2	885.1	885.1
27.5°	823.4	835.3	847.3	865.2	867.2
30°	795.6	809.5	825.4	843.3	847.3
32.5°	767.7	785.6	801.5	823.4	829.4
35°	737.9	755.8	777.7	799.5	805.5
37.5°	704.1	726.0	753.8	777.7	783.6
40°	674.2	698.1	726.0	753.8	759.8
42.5°	640.4	666.3	700.1	726.0	735.9
45°	606.6	634.5	670.3	700.1	708.0
47.5°	570.8	602.6	642.4	670.3	680.2
50°	535.0	568.8	610.6	642.4	650.4
52.5°	499.2	535.0	578.8	610.6	620.5
55°	461.4	499.2	545.0	578.8	590.7
57.5°	425.6	463.4	511.1	546.9	558.9
60°	385.8	429.6	477.3	513.1	527.1
62.5°	352.0	391.8	443.5	479.3	491.3
65°	312.3	354.0	407.7	445.5	457.4
67.5°	274.5	318.2	371.9	411.7	423.6
70°	236.7	280.4	338.1	375.9	389.8
72.5°	198.9	244.6	300.3	342.1	356.0
75°	163.1	206.8	266.5	308.3	322.2
77.5°	125.3	173.0	232.7	274.5	290.4
80°	91.5	141.2	200.9	242.6	258.6
82.5°	61.7	111.4	171.0	212.8	228.7
85°	35.8	85.5	145.2	185.0	198.9
87.5°	17.9	65.6	121.3	161.1	175.0
90°	0.0	47.7	101.4	139.2	153.1
92.5°	0.0	45.7	99.4	135.2	149.2
95°	0.0	45.7	97.5	133.3	147.2
97.5°	0.0	43.8	95.5	133.3	145.2
100°	0.0	41.8	95.5	131.3	143.2
102.5°	0.0	39.8	93.5	129.3	141.2
105°	0.0	37.8	91.5	125.3	137.2
107.5°	2.0	37.8	87.5	123.3	135.2
110°	2.0	35.8	83.5	121.3	133.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	33.8	79.6	117.3	129.3
115°	2.0	33.8	77.6	111.4	125.3
117.5°	2.0	31.8	73.6	107.4	121.3
120°	2.0	31.8	71.6	103.4	115.4
122.5°	2.0	29.8	67.6	99.4	111.4
125°	2.0	27.8	65.6	95.5	107.4
127.5°	2.0	25.9	63.6	91.5	103.4
130°	2.0	23.9	59.7	87.5	97.5
132.5°	2.0	23.9	57.7	81.5	93.5
135°	2.0	21.9	53.7	77.6	87.5
137.5°	2.0	19.9	49.7	73.6	83.5
140°	2.0	17.9	45.7	69.6	77.6
142.5°	2.0	17.9	41.8	63.6	71.6
145°	2.0	15.9	37.8	59.7	65.6
147.5°	2.0	13.9	33.8	53.7	59.7
150°	2.0	13.9	29.8	47.7	53.7
152.5°	2.0	11.9	25.9	43.8	49.7
155°	2.0	9.9	23.9	37.8	43.8
157.5°	2.0	9.9	19.9	31.8	37.8
160°	2.0	8.0	17.9	25.9	31.8
162.5°	2.0	8.0	15.9	21.9	27.8
165°	2.0	6.0	11.9	17.9	21.9
167.5°	2.0	6.0	9.9	13.9	17.9
170°	2.0	4.0	8.0	9.9	13.9
172.5°	2.0	4.0	6.0	6.0	6.0
175°	2.0	2.0	4.0	4.0	2.0
177.5°	2.0	2.0	2.0	2.0	2.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)